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Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 4

## Complete if Known

Application Number 091 682 799  
Filing Date 8/9/01  
First Named Inventor Grune, Guerry  
Group Art Unit 1616  
Examiner Name M. Lamm  
Attorney Docket Number

## U.S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
WU		5824659		Strickland et al.	10-20-1998	All
		5028417		Bhat et al.	07-02-1991	All
		5340567		Cole et al.	08-23-1994	All
		5188831		Nicoll et al.	02-23-1993	All
		5498406		Neurn et al.	03-12-1996	All
		6099825		McShane et al.	08-08-2000	All
		6042813		Fowler	03-28-2000	All
		6048517		Kaplan	04-11-2000	All
		5770183		Linars	06-23-1998	All
		5492690		Bush	02-20-1996	All
		5747010		Geesin et al.	05-05-1998	All
		5914102		Fowler et al.	06-22-1999	All
		5916542		Fossati	06-29-1999	All
		5945090		Randall et al.	08-31-1999	All
		5980871		Lukembach et al.	11-09-1999	All
		5547659		Rinaldi et al.	08-20-1996	All
		6284234		Nieniece et al.	09-04-2001	All
		5552135		Cioca et al.	09-03-1996	All
		5356811		Couts	10-18-1994	All
WU		6083508		Avalos et al.	07-04-2000	All

## FOREIGN PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
WU		JP	1981-161,881			5/1990	All	
		DE	3642794		Kao Corp.	06-19-87	All	
		WO	90/06103		The Boots Company	06-14-1990	All	
		EP	535372 A1		Siemens	04-07-1993	All	
		EP	619999 A2		Tioxide Specialties LTD	10-19-1994	All	
		EP	628303 A1		Tioxide Specialties LTD	12-14-1994	All	
		WO	93/11742		The Boots Company	06-24-1993	All	
		WO	99/11236		Dornica Cernasov	03-11-1999	All	
WU		EP	0834301 A1		Boehringer Ingelheim LTD	04-08-1998	All	

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Date Considered

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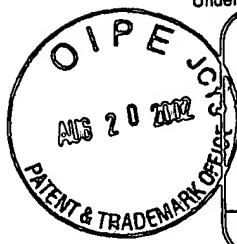
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Sheet	2	of	4
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Filing Date

Grune, Guerry L.
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### Group Art Unit

Examiner Name

Attorney Docket Number

## U.S. PATENT DOCUMENTS

[illegible]

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		Filing Date	
		First Named Inventor	
		Group Art Unit	
		Examiner Name	
Sheet 4 of 4	Attorney Docket Number		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
Ull	12	"Comments on 'In Vitro and in Vivo Estrogenicity of UV Screens'" Environmental Health Perspectives, Vol 109, No. 8, Aug. 2001.	
	15	< <a href="http://www.epa.gov/scipoly/oscpendo/index.htm#currentstatus">http://www.epa.gov/scipoly/oscpendo/index.htm#currentstatus</a> > as of 8/6/2002	
	14	< <a href="http://www.epa.gov/oscpmont/oscpendo/whatis.htm">http://www.epa.gov/oscpmont/oscpendo/whatis.htm</a> > as of 8/6/2002	
	15	< <a href="http://www.0disease.com/0science.html">http://www.0disease.com/0science.html</a> > as of 8/27/01	
	16	< <a href="http://www.cosmeticscop.com/skinfacts/mythbusting.htm">http://www.cosmeticscop.com/skinfacts/mythbusting.htm</a> > as of 10/17/01	
	17	< <a href="http://www.jacquardproducts.com/productpages/chempages/carageenan.htm">http://www.jacquardproducts.com/productpages/chempages/carageenan.htm</a> > as of 10/6/01	
	18	< <a href="http://www.mbari.org/~conn/botany/reds/devon/aqua.htm">http://www.mbari.org/~conn/botany/reds/devon/aqua.htm</a> > as of 10/6/01	
	19	< <a href="http://www.eawag.ch/courses/eedc/abstracts.html">http://www.eawag.ch/courses/eedc/abstracts.html</a> > as of 10/3/01	
	20	< <a href="http://e.hormone.tulane.edu/ebooks.html">http://e.hormone.tulane.edu/ebooks.html</a> > as of 10/3/01	
	21	< <a href="http://wholeleaf.com/aloeverainformation.html">http://wholeleaf.com/aloeverainformation.html</a> > as of 8/27/01, as well as < <a href="http://wholeleaf.com/aloeverainfo/aloeverapolysaccharide.html">http://wholeleaf.com/aloeverainfo/aloeverapolysaccharide.html</a> > of 8/27/01, and < <a href="http://wholeleaf.com/aloeverainfo/wholeleafaloevera.html">http://wholeleaf.com/aloeverainfo/wholeleafaloevera.html</a> > of 8/27/01, and < <a href="http://wholeleaf.com/aloeverainfo/wholeleafadvantage.html">http://wholeleaf.com/aloeverainfo/wholeleafadvantage.html</a> >	
	22	< <a href="http://my.webmd.com/content/asset/yale_lab_tests_chapter_9_introduction.html">http://my.webmd.com/content/asset/yale_lab_tests_chapter_9_introduction.html</a> > as of 10/3/01	

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Sheet 3 of 4

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First Named Inventor	Grune, Guerry L.
Group Art Unit	
Examiner Name	
Attorney Docket Number	

### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
ull	1	"In Vitro and in Vivo Estrogenicity of UV Screens" MARGARET SCHLUMPH, Environmental Health Perspectives, Vol. 109, No. 3, Mar. 2001.	
	2	Article published in DGI in September 1992 by Tioxide Specialties Ltd.	
	3	Article published in Cosmetics and Toiletries, Vol. 107, October 1992	
ull	4	Tioxide Co. Brochure published March 15, 1994, found at: <http://www.psrc.usm.edu/macrog/coatings/tio2.htm> as of 10/11/2001	
ull	5	"Estrogen Active UV Screens" MARGARET SCHLUMPH, SOFW-Journal, 127, Jan 7, 2001.	
ull	6	"Environmental Endocrine Disruptors" What Health Care Providers Should Know, Physicians for Social Responsibility. 2001	
ull	7	"Spotlight on Sunscreens" MARC S. REISCH, C & EN, Dec. 3, 2001.	
ull	8	Environmental Protection Agency Endocrine Disruptor Screening Program Report to Congress August 2000 <http://www.epa.gov/scipoly/oscpendo/index.htm> as of 8/7/2002	
	9	<http://www.nihs.go.jp/hse/environ/illiepatable.htm> as of 8/6/02	
	10	<http://website.lineone.net/%7Emwarhurst/mechanisms.html> as of 10/3/01 as well as <http://website.lineone.net/%7Emwarhurst/complexity.html> as of 10/3/01, and <http://website.lineone.net/%7Emwarhurst> as of 10/3/01	
	11	<http://europa.eu.int/comm/food/fs/sc/scdp/out145_en.html> as of 10/3/01	

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